

Date: Thursday, 3/13/2008 10:18:44 AM
 User: Kim Johnston

Process Sheet

16

Customer : CU-DAR001 Dart Helicopters Services Drawing Name : STEP WELDMENT
 Job Number : 37917A
 Estimate Number : 10176
 P.O. Number :
 This Issue : 3/13/2008 S.O. No. :
 Prsht Rev. : NC Part Number : D2563
 First Issue : 1 / 1 Type : LARGE FAB ASSY Drawing Number : D2563 REV C
 Previous Run : 37662A Drawing Revision : C
 Written By :
 Checked & Approved By : 08 0313
 Comment : Est Rev:G 02.07.31 Re-format Location RF

Material :
 Due Date : 4/15/2008 Qty: 10 Um: Each

Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 D2244116 Step Extrusion



Comment: Qty.: 1.0000 Each(s)/Unit Total : 10.0000 Each(s)

Pick:

1 D2244 Step Extrusion

Batch: B333733

SAD 08/04/17 10

2.0 D267334 End Plate



Comment: Qty.: 2.0000 Each(s)/Unit Total : 20.0000 Each(s)

Pick:

Qty Part No. Description
 2 D2673-34 End Cap

Batch

B35887

08-04-17 10

3.0 D2561 Lug Plate



Comment: Qty.: 2.0000 Each(s)/Unit Total : 20.0000 Each(s)

Pick:

Qty Part No. Description
 2 D2561 Lug Plate

Batch

B34357=17B 37153=3

08-04-17 10

4.0 D2564 Mounting Angle



Comment: Qty.: 2.0000 Each(s)/Unit Total : 20.0000 Each(s)

Pick:

Qty Part No. Description
 2 D2564 Mounting Angle

Batch

B34933

08-04-17 10

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 3/13/2008 10:18:44 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: STEP WELDMENT

Job Number: 37917A

Part Number: D2563

Job Numbers:



Seq. #:

Machine Or Operation:

Description:

5.0

LARGE FAB 1

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1-Cut D2244 to 89.70" at 34 deg as per dwg D2563

2-Deburr ends

SAD 08/08/17 (10)

3-Weld (1 END CAP, LUG PLATES & MOUNTING ANGLE) as per dwg D2563 using DT 8343

A/R AL ROD Batch: M106834
M106762

PE 08-04-22 10

4- Grind

SAD 08/04/22 (10)

6.0

QC9

VISUAL WELDING INSPECTION



Comment: VISUAL WELDING INSPECTION

PD 08-04-23 (10)

7.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

08/04/25 (10)

8.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

FL/ 08/04/29

9.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

M 08/04/30

10.0

LARGE FAB 1

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1-Inspect for foreign object per QSI 024

2-Weld Remaining End as per Dwg D2563 using DT 8343

A/R AL ROD Batch: M106834

3-Grind

PE 08-05-05 10

PE 08-05-05 10

SAD 08/05/06 (10)

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 3/13/2008 10:18:44 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: STEP WELDMENT

Job Number: 37917A

Part Number: D2563

Job Number:



Seq. #:

Machine Or Operation:

Description :

11.0

QC9

VISUAL WELDING INSPECTION



Comment: VISUAL WELDING INSPECTION

PD 08-05-06

12.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

08/05/06

1337917A
D2563
06/05/2008

13.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Touch up Alodine then

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

M1107550

- FL

08/05/06

(10)

S.197 15.41
#1 321.5 F
#2 --- F
#3 30m F
#4 --- F

08-05-06

14.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Wing Walk as per Dwg D2563 and QSI 005 4.4

M1107380

FL/RV

08/05/07

(10)

15.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

M-1

08/05/07

(10X)

16.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

08/05/08

Job Completion



UMF 08-05-08

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

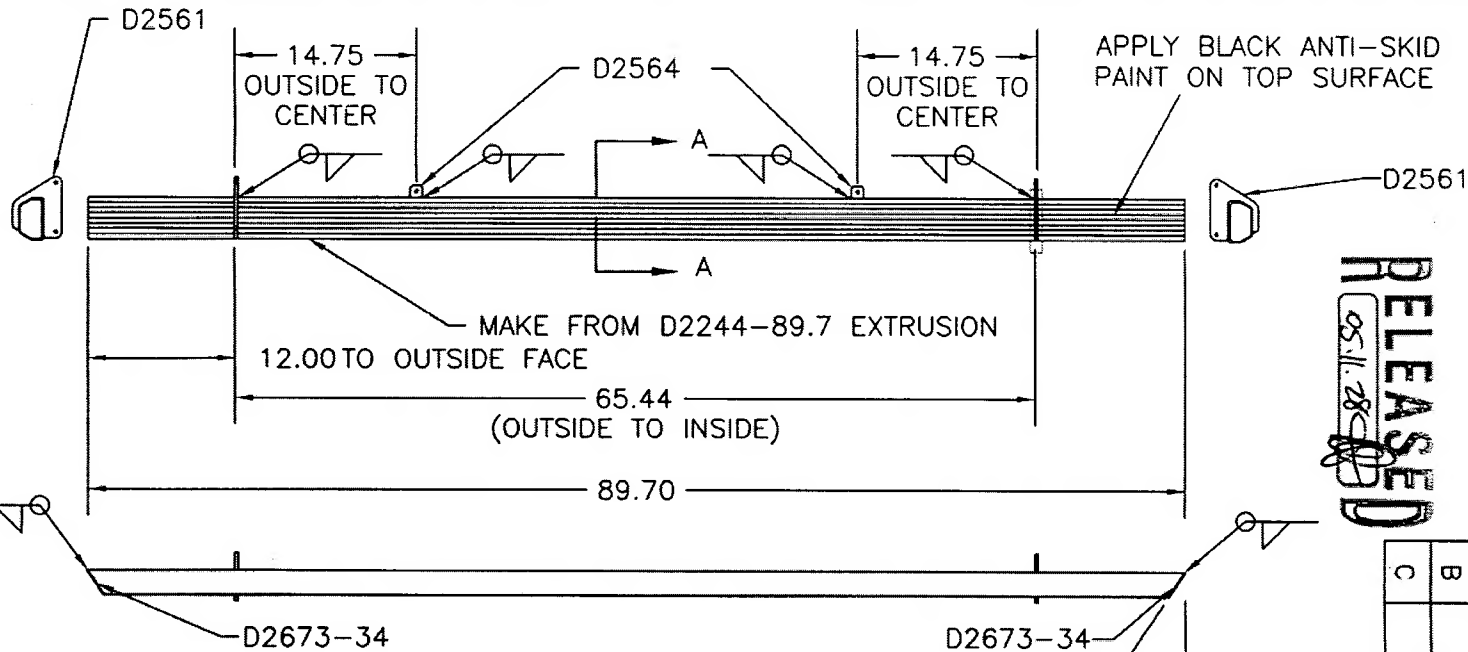
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



RELEASED
05.11.28

DESIGN	DRAWN BY	DART AEROSPACE LTD	
BW	44	HAMKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. C
		D2563	SHEET 1 OF 1
DATE	TITLE	SCALE	
05.11.14	STEP WELDMENT ASSEMBLY	1:15	
A	96.04.26	NEW ISSUE	
B	97.05.14	END CAPS CHANGED (WAS D2248)	
C	05.11.14	UPDATE NOTES	



D2563 STEP WELDMENT ASSEMBLY PARTS LIST

Part No.	Description	QTY
D2563	STEP WELDMENT ASSEMBLY	X
D2244-89.7	EXTRUSION*	1
D2561	LUG PLATE	2
D2564	MOUNTING ANGLE	2

*cut per drawing

SHOP COPY
RETURN TO
ENGINEERING
DIRECT TO ANGLE
WON 05.11.14
37917A

D2563 STEP WELDMENT ASSEMBLY NOTES

- 1) MAKE FROM EXTRUSION D2244
- 2) WELD PER DART QSI 004
- 3) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT ASSEMBLY WHITE (4.3.5.1) PER DART QSI 005 4.3
MASK OFF 0.50 ON EACH SIDE OF D2561 LUGS BEFORE
APPLYING BLACK ANTI-SKID PAINT PER DART QSI 005 4.4
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED